

To: Payton, Richard[Payton.Richard@epa.gov]
Cc: Scott Landes[scott.landes@state.co.us]; Amber Ortega[amber.ortega@state.co.us]
From: Pierce - CDPHE, Gordon
Sent: Thur 12/28/2017 10:05:40 PM
Subject: Wildfire ozone EE's
WF-O3 EE Sept2017 summary AO.pdf

Richard,
We have been working on the wildfire smoke-influenced ozone exceptional events for 9/2/17 and 9/4/17. Amber has developed a summary PDF of the 2 events, attached.

Summary: Washoe and MA/CT, as well as others, have WF-O3 EE demos approved/concurred using "Tier 2+", with $Q/d < 100$. These events only dealt with one wildfire, and stacked multiple days of emissions. For Colorado's 9/2 & 9/4 exceedances, we have 6 monitors at/over 71 ppb, and 3 additional monitors over 68 ppb. For 9/2, we have calculated cumulative (stacked days and fires) $Q/d = 261$; and for 9/4, $Q/d = 240$. If we just use one fire and stack multiple days (like Washoe), we get $Q/d = 213$ for 9/2 (Sartin Draw Fire), and 124 for 9/4 (Rice Ridge Fire). Hence, the $Q/d > 100$ threshold is met either way.

So, we would like to meet with you, or have a conference call, to discuss what you envision being in a final TSD for the events. We have a lot of info, but probably way more than is really needed. That being said, we know there are going to be a lot of eyes on this.

Do we include all the supporting evidence even though we have met the Q/d criteria? If so, can we put that documentation into an appendix (vs within the TSD)? Any suggestions/advice on moving forward with writing up the report? Would it be appropriate for us to work with Kirk Baker to ensure our Q/d treatment is adequate?

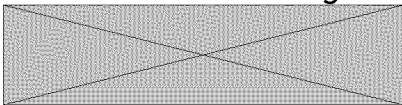
If you have some time next week for a meeting/call, that would be great. Times that currently look good on our end are:

Tues 1/2 in AM
Wed 1/3 from 11:00-1:00
Thurs 1/4 in PM (maybe AM if needed)
Fri 1/5

Thanks,
Gordon

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Gordon Pierce
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